

May 2007

Overview

On February 26, 2004, the California Air Resources Board (ARB) adopted the Transport Refrigeration Unit (TRU) Airborne Toxic Control Measure (ATCM) and directed staff to closely monitor progress and development of emissions control technology as it applies to TRUs and TRU generator set emission standards set forth in the TRU ATCM. The Board further directed staff to report on the feasibility of complying with the standards in the time specified in the regulation. The rulemaking became effective December 10, 2004, and was codified under title 13 California Code of Regulations (CCR), section 2477. On March 28, 2005, ARB requested the U.S. Environmental Protection Agency (U.S. EPA) to grant a waiver of preemption under the federal Clean Air Act. Pending U.S. EPA's decision, ARB will continue to implement the TRU ATCM in accordance with state law.

Facility Reports

Facility Reports for "large" facilities were due on January 31, 2006. Large facilities have 20 or more loading spaces serving refrigerated storage areas. ARB is currently conducting enforcement action against facilities that failed to report on time.

Technology Review

There are two technology reviews scheduled, one in 2007 and another in 2009. The timing of each technology review is one year in advance of compliance dates for the TRU ATCM's Low-Emission TRU In-Use Performance Standard (LETRU) and Ultra-Low-Emission TRU In-Use Performance Standard (ULETRU), as shown in the table below.

In-Use Performance Standard	First Compliance Date	Scheduled Technology Review
LETRU	December 31, 2008	2007
ULETRU	December 31, 2010	2009

The Review Process

Staff have been tracking diesel emission control strategy (DECS) manufacturers' efforts to develop and demonstrate DECS for TRUs and TRU generator sets. In several cases, staff was able to arrange funding for demonstrations to get these started early, so that TRU operators could become familiar with these technologies and begin making compliance decisions. Staff have also processed DECS through the Verification Procedure, Warranty, and In-Use Compliance Requirements for In-Use Strategies to Control Emissions from Diesel Engines (title 13, CCR, sections 2700 through 2710).

During 2007 staff will:

- ❖ Conduct a survey of DECS manufacturers.
- ❖ Conduct a survey of the TRU fleets known to operate in California.
- ❖ Conduct workshops: The first workshop is scheduled for June 14, 2007 (see notice on TRU website).
- ❖ Develop a technical assessment report which discusses the findings of the technology review.

Verified Technologies

Staff have posted news about verified diesel emission control strategies (VDECS) that can be used on TRUs on ARB's TRU website at: <http://www.arb.ca.gov/diesel/tru.htm>. These and other VDECS are also listed on ARB's Verified Technologies website at: <http://www.arb.ca.gov/diesel/verdev/vt/vt.htm>. As of April 2007, one Level 2 (meets LETRU) VDECS and two Level 3 (meets ULETRU) VDECS have been verified.

Operator Requirements

In-Use performance standards begin to be phased in, starting December 31, 2008, and apply to all TRUs that operate in California. Operator reports and ARB Identification Number applications are due to ARB by January 31, 2009. Compliance assistance materials are available at the ARB's TRU website at: <http://www.arb.ca.gov/diesel/tru.htm>.

For More Information

This document will be periodically updated to provide information about the status of the TRU ATCM. Old TRU ATCM Status Update versions will be available through the TRU website archive link. If you have questions, contact Rod Hill at 916.327.5636 (e-mail: rhil@arb.ca.gov), Richard Boyd at 916.322.8285 (e-mail: rboyd@arb.ca.gov), or visit our web site at <http://www.arb.ca.gov/diesel/tru.htm>. Regulatory documents may be viewed and downloaded from <http://www.arb.ca.gov/regact/trude03/trude03.htm>.

If you are handicapped, you may obtain this document in an alternative format. Contact ARB's ADA Coordinator at (916) 322-4505 (voice); (916) 324-9531 (TDD, Sacramento area only); or (800) 700-8326 (TDD, outside Sacramento).